
John McLean, PH.D.



Superintendent of the Information Technology Division Naval Research Laboratory

Dr. John D. McLean is Superintendent of the Naval Research Laboratory's (NRL) Information Technology Division (ITD). He became Acting Superintendent in 2002, and he was confirmed as Superintendent and appointed to the Senior Executive Service in August 2003. In his current position he supervises over 325 government scientists, support personnel, and contractors, and he is responsible for formulating, selling, and executing ITD's \$100 million research program. He joined the Federal Workforce in 1980.

As Superintendent, Dr. McLean provides executive direction and technical leadership for the research and development of technology, systems, and components for communications, command and control, information processing, computer networks, and signal exploitation. He conceives, plans, and executes scientific research and development programs that will enhance Naval capabilities in the collection, processing, transmission, distribution, and presentation of information and transitions them to operational use to improve the conduct of military operations. He works with sponsoring agencies to develop, present, and defend proposed program initiatives and obtain funds to support program execution within the Navy Working Capital Fund. He develops the scientific vision for future program direction for all Navy IT areas -- including Artificial Intelligence, Autonomous Systems, Computer Security, High Assurance Software, Network Technology, Modeling & Simulation, Virtual Reality, High Performance Computing, etc.

Prior to becoming Superintendent, Dr. McLean was a member of the Government's Navy's Professional Service (ST) and NRL's Senior Scientist for Information Assurance from 2000 to 2002. From 1994-2002 he was Director of the Navy's Center for High Assurance Computer Systems within ITD. During his tenure, the Center transitioned several technological advances into successful products, including the world's first Type 1 programmable cryptographic device. Prior to that, he helped create the Center by founding its Formal Methods Section, which he led from 1988-1994, turning it into one of the world's most respected theoretical research groups in Information Assurance. From 1980-1988 he was a Research Computer Scientist within ITD, where he published widely in the areas of Computer Security and Software Assurance.

Dr. McLean is an internationally respected researcher in the area of computer security with over 100 publications and technical presentations. He is an Associate Editor of *Distributed Computing*, *Journal of Computer Security*, and *ACM Transactions on Information and System Security*. He is also the US Voting

Member of the NATO RTO IST Panel and the US Navy Representative to the Technical Cooperation Program (TTCP) C3I Group. While at NRL, he has served as a Senior Research Fellow of the University of Cambridge's Centre for Communications Systems Research and as a member of the Scientific Advisory Committee of Cambridge's Isaac Newton Institute Program in Computer Security, Cryptology, and Coding Theory. He has been Conference Chair for the IEEE Symposium on Research in Security and Privacy and Program Chair for that conference, the IEEE Computer Security Foundations Workshop, and COMPASS, where he was also a member of the conference's Board of Directors. While at NRL, he has also held positions as an Adjunct Professor of Computer Science for the University of Maryland, the National Cryptologic School, and Troisieme Cycle Romand d'Informatique.

Dr. McLean is a recipient of a Presidential Rank Award of Meritorious Executive in 2008, an Outstanding Paper Award from the IEEE Computer Society, a Distinguished Contribution Allowance from NRL, and three Alan Berman Research Publication Awards from NRL.

Dr. McLean graduated from Oberlin College in 1974 with a bachelor's degree in mathematics. He received a master's degree in computer science in 1980 and a master's and a doctorate in philosophy in 1976 and 1980, respectively, all from the University of North Carolina at Chapel Hill where his research interests were computer science, mathematical logic, and the philosophy of science.